

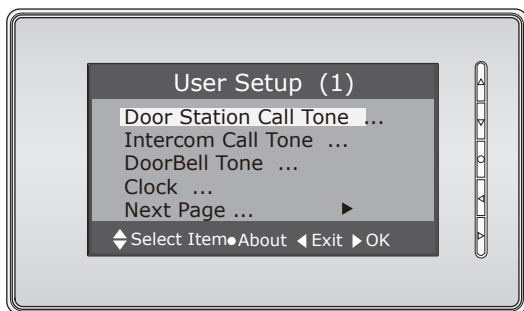


# Yale 7402

## 2 Wire Video Intercom System

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### USER MANUAL



## Power Unit

### 1. Warning

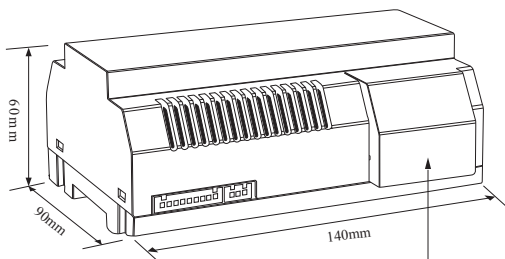
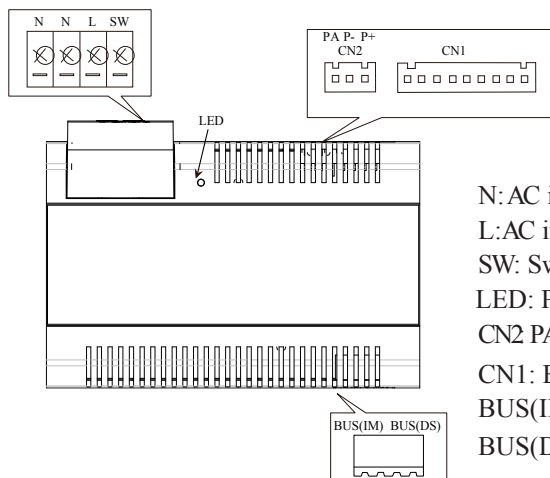
- Don't dismantle or alter the unit. Fire or electric shock could result.
- The unit must be installed and wired by a qualified technician.
- Do not connect any non specified power source to the N, L terminals, Fire, damage to the unit, or system malfunction can result.
- Keep the unit away from water or any other liquid, risk of fire or electric shock.

### 2. Introduction:

The power unit is designed for two wire systems. It supplies power to the outdoor station, indoor monitor and other accessories. The features are as follow:

- Universal AC input/full range
- Multi protection: short circuit, overload, over voltage
- Cooling by free air convection
- DINrail mounting

### 3. Terminal Description:



\* Press on both sides of the cover and lift to remove

N: AC input.

L: AC input.

SW: Switch terminal.

LED: Power indicator, always on when plug in power.

CN2 PA and P+ terminal should be short-circuited.

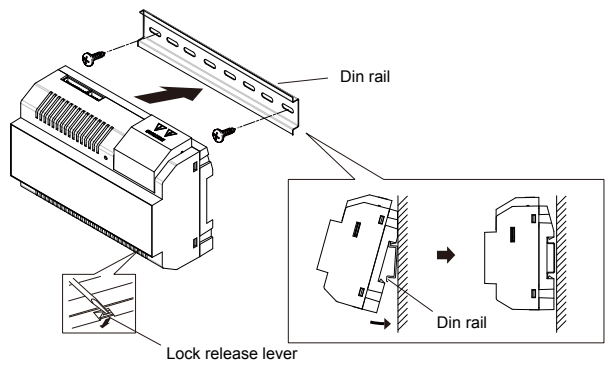
CN1: Buscontrol terminal.

BUS(IM): Indoor monitor connection terminal.

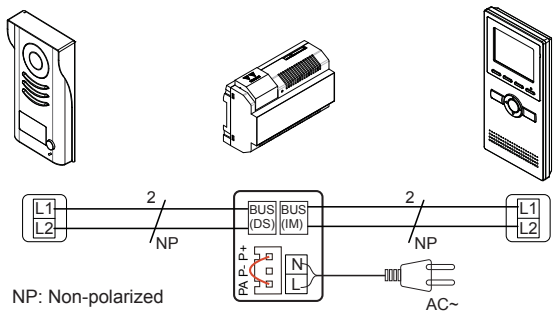
BUS(DS): Door station connection terminal.

#### 4. Mounting:

Step1: Mount the din rail to the wall with screws ;  
 Step2: Pull down the lock release lever,then hang the unit on din rail.



#### 5. Basic wiring (no lock):



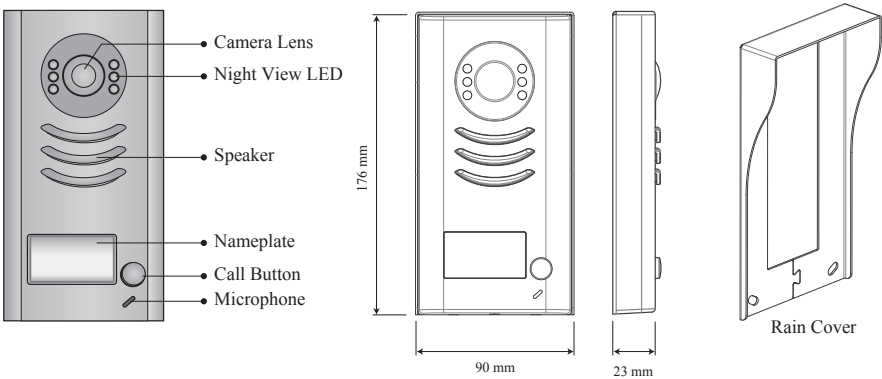
Note:PA&P+ terminal must be short-circuited.

#### 6. Specifiction:

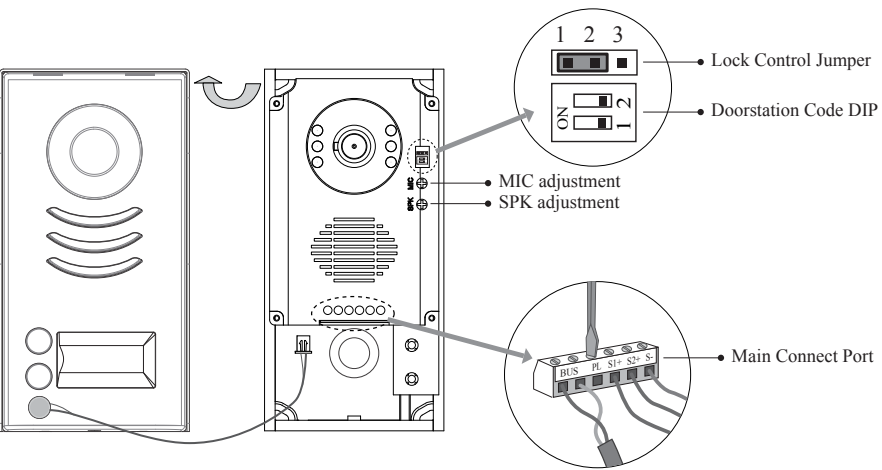
|                        |                                      |
|------------------------|--------------------------------------|
| Input Voltage:         | 100~240Vac                           |
| Input Frequency:       | 50~60Hz                              |
| Rated Output Voltage:  | DC 28V+/-2V                          |
| Rated Output Current:  | 1.5A                                 |
| Working Temperature:   | -10 <sup>0</sup> C~50 <sup>0</sup> C |
| SW Port Input Voltage: | Max.230Vac, 2A                       |
| Dimension:             | 140*90*60mm                          |

# Exterior Unit

## 1.Parts and Functions



## 2.Terminal Descriptions



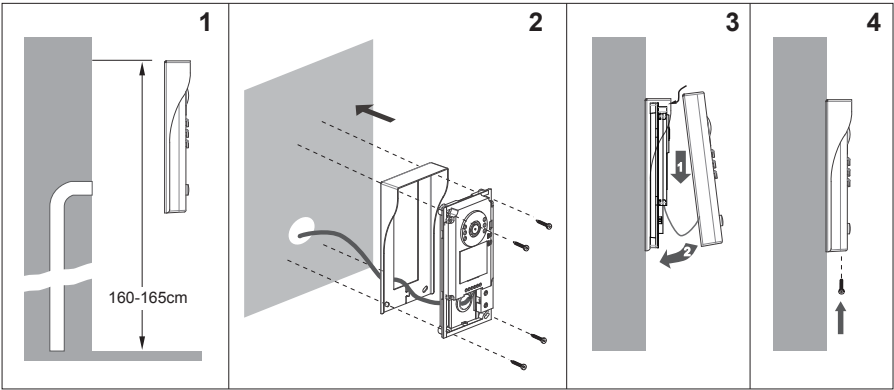


- Lock Control Jumper: Not to be removed
- Doorstation Code DIP: To be used when additional exterior units are used in the same system.
- Main Connect Port: To connect the interior monitor and electronic lock/s.
  - BUS: Connection to interior monitor, no polarity.
  - PL: External lock power input, connect to the power positive(power +).
  - S1+, S2+: Lock power(+) output. To locks can be connected through the unit.
  - S-: Lock power(-) output, connect to the power(-) input of locks only when using the camera to power the locks, if using the external power supply for the locks, the S- will not be connected).

### 3. Specification

|                      |                                |
|----------------------|--------------------------------|
| Lock Power supply:   | 12Vdc, 300mA(Internal Power)   |
| Power Consumption:   | 1W in standby, 12W in working  |
| NO, COM dry contact: | Max. 48V dc 1.5A               |
| Unlocking time:      | 1 to 9 seconds, set by Monitor |
| Working temperature: | -10°C ~ 45°C                   |

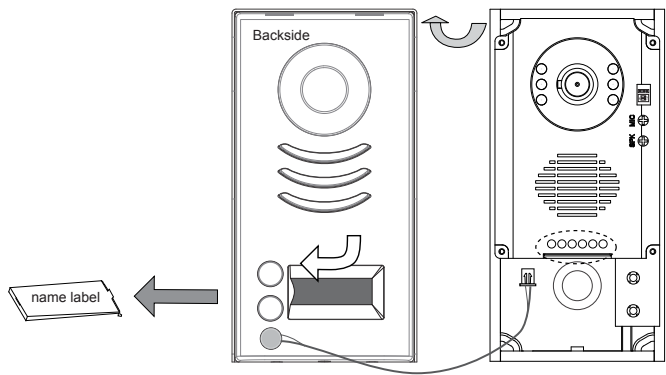
### 4. Mounting



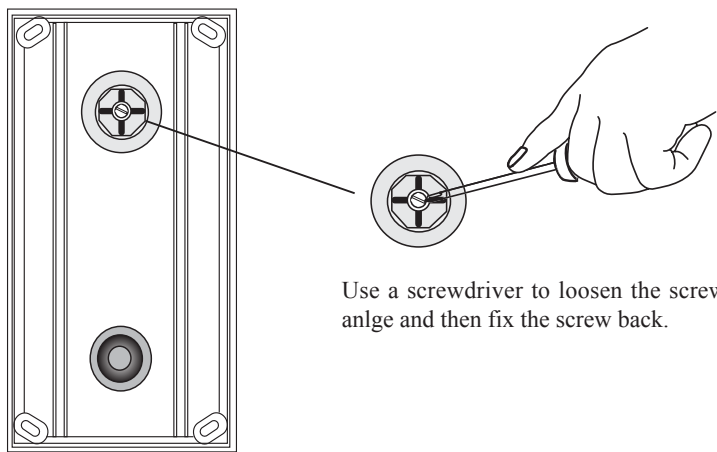


## 5. Placing Name Label

Remove the plastic cover to open the transparent name label holder, cut a paper to size print name. Insert paper on to name holder re insert plast cover back to the panel

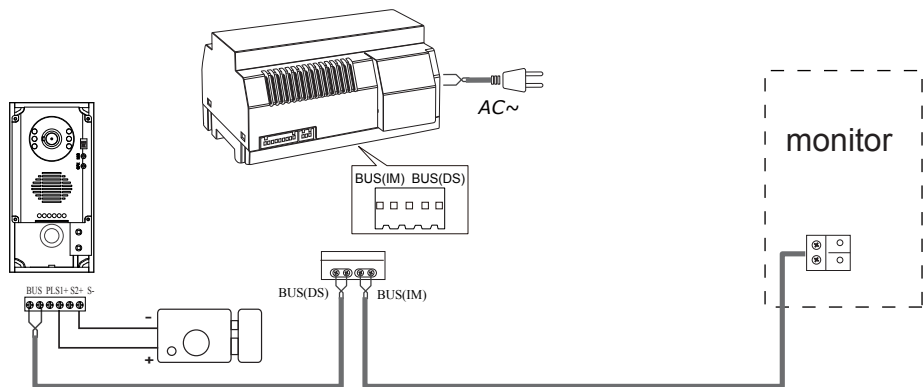


## 6. Adjusting Camera Angle



Use a screwdriver to loosen the screw. Adjust the desired angle and then fix the screw back.

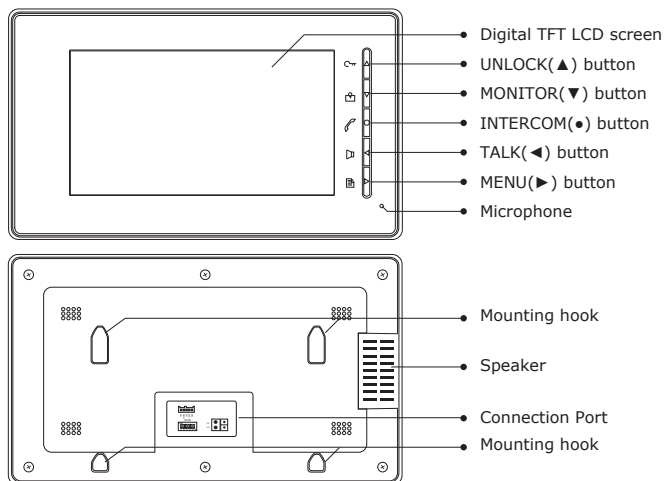
# 7. Basic wiring (with electronic lock)



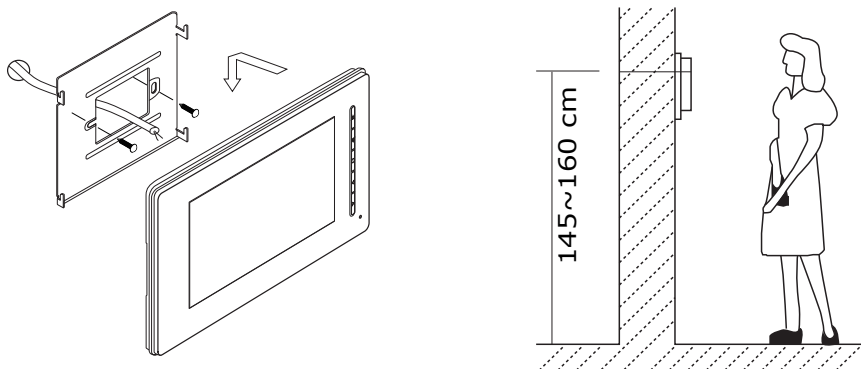
Use supplied plugs to connect Exterior unit to Power unit, and Power Unit of Interior Monitor.

## Interior Monitor

### 1. Parts and Functions



### 2. Monitor Mounting

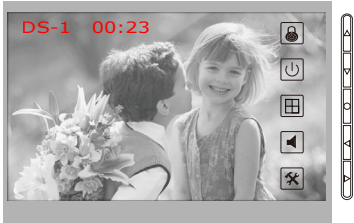


1. Use the screws to fix the mounting bracket on the mounting box. Fitting accessories include a bracket (Two 4X25 screws are needed for fastening the mounting bracket), 2 wire adaptor to connect with Monitor and cable.
2. Wire the system correctly (see Outdoor Station Installation) then hang the monitor on the mounting bracket firmly.



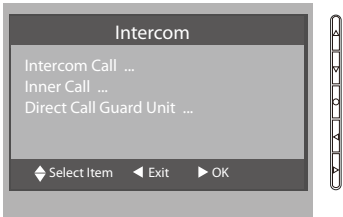
### 3. Basic Door Release Operation

1. Press **CALL** button on outdoor station, the Monitor rings, at the same time, the screen displays the visitor image.
2. Press **TALK** (◀) button on monitor, you can communicate hands free with the visitor for 90 seconds. After finishing communication, press "TALK" button again to end the communication. If nobody answers the phone, the screen will be turned off automatically after 30 seconds.
3. During talking state, Press **UNLOCK** (▲) button to open the door for the visitor. If two locks are connected to door camera, press corresponding unlock button to open the matching door.
4. When the monitor is in standby mode, press **MONITOR** (▼) , the screen can display the view of outside. If multi door stations are installed, press **INTERCOM** (●) button to enter camera switch mode. Select **Camera 1 ...** item, the screen will display the image from the first door camera. Similarly. Select **Camera 2 ...** item to choose the second one. Select **Camera 3 ...** item to choose the third one. Select **Camera 4 ...** item to choose the fourth one. (Press "MONITOR" button again to end monitoring.)



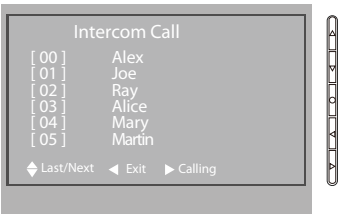
### 4. Intercom Function

When the monitor is in standby mode, press **INTERCOM** (●) button to enter Intercom Function page. Use ▲ / ▼ button to move upward / downward to select the item you want, press **MENU** (▶) button to confirm.





**Intercom Call:** User in one apartment can call other apartments in the system. The namelist will be created automatically by the system. Selete a name on the screen then press **MENU** ( ) button to dial.(Note 1. Press "MENU " button again to redial. 2. The DIP switches codes of each monitor must set differently)



**Inner Call:** If multi Monitors are installed in the same apartment, select Inner Call, all the other Monitors will ring at the same time. The Monitor that answers the call will start the conversation, while the other monitors will stop ringing (Note: DIP switches setting of all monitors must be the same).

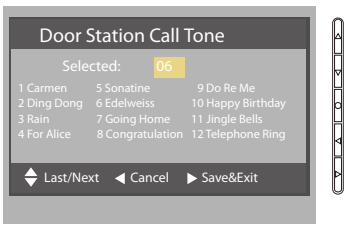
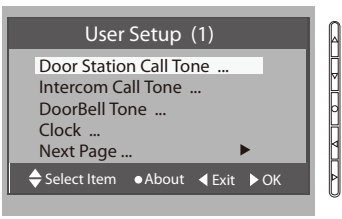
**Direct Dial Guard unit:** A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started.

# 5. Basic Setup Instructions

## Ring Tone Settings

Access **Door Station Call Tone**, **Inercom Call Tone** or **DoorBell Tone** item on User Setup (1) page by pressing **MENU** ( ) A total of 12 pieces ring tones can be selected. Use / button to select last/next ring tone, press **MENU** ( ) button to save and exit.

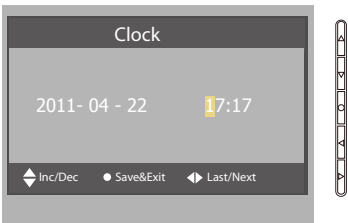
- Door Station Call Tone:* Sets the ring tone from outdoor station calling.
- Intercom Tone:* Set the ring tone from other apartments calling.
- DoorBell tone:* Set the ring tone calling from door bell.





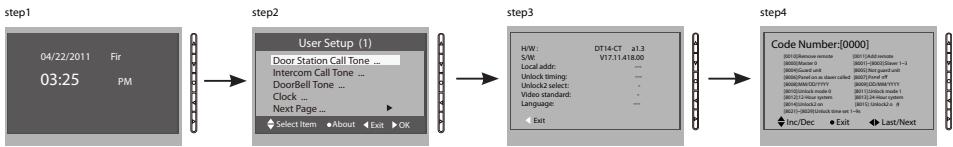
## 6. Date and Time Setting

Select *Clock...* item on User Setup (1) page. Input date and time by pressing ▲ / ▼ button to increase / decrease the value; press ◀ / ▶ button to select last/next digit. Press ⌂ INTERCOM (●) button to save and return last page.



## 7. Advanced Settings

### How to enter the advanced installation setting page



1. Press MENU (▶) button in standby mode. A calendar will appear, press MENU button again.
2. Press ⌂ INTERCOM (●) button at User Setup (1) page to enter About information page.
3. Press C↔ UNLOCK (▲) button and hold for 2s.
4. Press ▲ / ▼ button to increase/decrease the value and ◀ / ▶ button to select the setting number ,press MENU (▶) to save the settings after inputing 4 digits number,press ● button to return last page.

## How to set secondary/slave monitors to view image when call is made

In default mode and when receiveing a call, the master and slave monitors will ring at the same time, but just the master monitor will display the image, while the slave monitors will not. This setting can be changed to have all the monitors (master and slave), dispaly the image at the same time while receiving a call by using the code 8006 on each slave monitor.

## How to set the unlock lock mode

Two types of unlock modes:

1. Power-on- to-unlock type: Unlock mode = 0 (default setting)

2. power-off-to-unlock: Unlock mode = 1

The code number of 8010 is used to set the unlock mode to 0

The code number of 8011 is used to set the unlock mode to 1

## Unlock time:

The unlock time can also be changed. It can be set from 1 to 9 seconds.

The code number from 8021 to 8029 are used to set the unlock time, being the last digits the number of seconds (1~ 9 seconds).

## 2 locks control

The monitor can be set to control 2 locks while you should set the unlock2 item to "on " state.

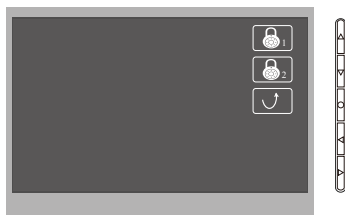
The code number of 8015 is used to set the unlock2 OFF. This setting is for only one lock.

The code number of 8014 is used to set the unlock2 ON. This setting is to control two locks.

Note: - During a call or while monitoring outside, press

↵ UNLOCK (▲) button. Two unlock icons will be showed. Press ↵ UNLOCK (▲) button to release the first lock, press 📺 MONITOR (▼) to release the second lock. Press📞 INTERCOM (●) button to return to last page.

Restoring the monitor to default settings will not change this parameter.



# Language mode setting

This monitor can support multi languages. To change the language, input the corresponding language code. The language code number are as follows:

|               |                  |                |
|---------------|------------------|----------------|
| 8101: English | 8107: Portuguese | 8113: Russian  |
| 8102: French  | 8108: S-Chinese  | 8114: Slovakia |
| 8103: Spanish | 8109: T-Chinese  | 8115: Hungary  |
| 8104: Italian | 8110: Greek      | 8116: Czech    |
| 8105: German  | 8111: Turkish    |                |
| 8106: Dutch   | 8112: Polish     |                |

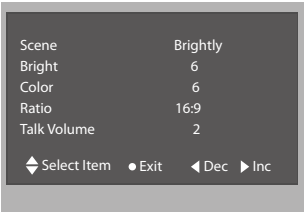
Note:the monitor can only support 4 types of languages.English,French,Spanish and German are default.

## 8. Screen and Volume Adjustment


During a call or while monitoring outside, press MENU Button,the *ADJUST MENU* will be displayed

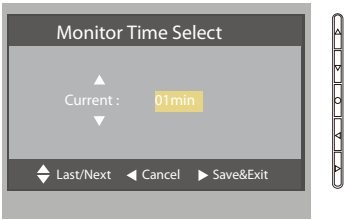
Press ▲ / ▼ button to select the adjustment item; press ◀ / ▶ button to decrease / increase the value.

- Scene mode selection: Total of 4 screen modes can be selected:  
*Normal, User, Soft and Bright.* Whenever you modify *Brightness* or *colour*, *Scene* item will be set to *User* mode automatically.
- Brightness and Color: to adjust brightness and color of the screen
- Talk Volume: to adjust intercom volume during a call.
- Press "MENU" button to exit the setting mode.



# 9. Monitor Time Setting

While in monitoring mode, press  INTERCOM button and use ▲ / ▼ to navigate to Monitor Time Set Option. Press MENU button to enter.  
Use ▲ / ▼ button to increase/decrease value and MENU button to save



# 10. Specification

- Power supply for indoor monitor: DC24V
- Power consumption: Standby 0.5W; Working status 5W
- Monitor screen: 7 Inch digital TFTLCD
- DisplayResolutions: 800\*3(RGB)\*480pixels
- Videosignal: 1Vp-p, 75Ω, CCIRstandard
- Wiring: 2 wires, non-polarity
- Dimension: 143(H)×242(W)×23(D) mm